

ABSTRACT OF THE DISCLOSURE

According to an electric network simulating method, element cells representing electric functions of a plurality of circuit elements and connection pipes representing wiring lines for connecting the circuit elements are defined. A current is defined as the number of particles moving through the connection pipe per unit time, and a voltage is defined as the number of particles present in the connection pipe. A rule for expressing the electric function of each circuit element in accordance the state of the connection pipe is set beforehand in units of element cells. The particles are transferred between the element cell and the connection pipe in accordance with the rule. The state of the electric network is simulated in accordance with the number of particles passing through the connection pipe per unit time and the number of particles present in the connection pipe.

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